# **PATENT COOPERATION TREATY**

# PCT

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER		see Form PCT/ISA/220			
29953-213715	ACTION	as well	as, where applicable, item 5 below.			
International application No.	International filing date (day/month	/year)	(Earliest) Priority Date (day/month/year)			
PCT/US2005/011599	07/04/2005		08/04/2004			
Applicant	, , , , , , , , , , , , , , , , , , , ,					
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GRAHAM PACKAGING PET TECH	NOLOGIES INC.					
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Sear ansmitted to the International Bureau	ching Auth	nority and is transmitted to the applicant			
This International Search Report consists	of a total of she	ets.				
X It is also accompanied by	a copy of each prior art document ci	ted in this	report.			
1. Basis of the report	· · · · · · · · · · · · · · · · · · ·					
With regard to the language, the language in which it was filed, unl	international search was carried out ess otherwise indicated under this ite	on the bas em.	sis of the international application in the			
The international this Authority (Rui	search was carried out on the basis (	of a transla	ation of the international application furnished to			
b. With regard to any nucleo	otide and/or amino acid sequence	disclosed	in the international application, see Box No. I.			
2. Certain claims were fou	nd unsearchable (See Box II).					
3. X Unity of invention is lack	king (see Box III).					
4. With regard to the <b>title,</b>						
X the text is approved as su	bmitted by the applicant.					
the text has been establish	ned by this Authority to read as follow	vs:				
5. With regard to the abstract,						
the text is approved as sul	omitted by the applicant.					
X the text has been establish	the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant					
may, within one month troi	m the date of mailing of this internation	onal searc	h report, submit comments to this Authority.			
6. With regard to the drawings,						
a. the figure of the <b>drawings</b> to be published with the abstract is Figure No. 3						
as suggested by the	• •					
	Authority, because the applicant fail		<del>-</del>			
	Authority, because this figure better	character	izes the invention.			
	published with the abstract.					

# International application No. PCT/US2005/011599

# **INTERNATIONAL SEARCH REPORT**

Box II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This Inte	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
з. 🗌	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Inte	rnational Searching Authority found multiple inventions in this International application, as follows:
	see additional sheet
1. X	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark	The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

International application No.

#### INTERNATIONAL SEARCH REPORT

PCT/US2005/011599

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

A method and apparatus for compression molding plastic articles include a plurality of tools mounted in opposed pairs (14) with the tools of each pair including opposed first (16) and second (20) actuators that define a mold cavity in which a charge of plastic is compression molded. The tooling is preferably carried by a rotary turret (12) so that first (16) and second (20) actuators of each tooling pair are moveable relative to each other between an open position permitting formed articles to be removed from the tooling and to receive fresh charges of plastic, and a closed position to compression mold the charges of plastic.

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-15,69-72

Actuators, rail, block

2. claims: 16-27,81-84

Mold section comprising at least two sections

3. claims: 28-31,90-93

Safety device

4. claims: 32-40

Biasing means

5. claims: 41-47

Cooling of a core

6. claims: 48-58,85-89

Locking means

7. claims: 59-68

Several cavities

8. claims: 73-80

Sleeve means

#### INTERNATIONAL SEARCH REPORT

International Application No PCT/US2005/011599

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B29C43/08 B29C43/42 //B29C43/50

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 B29C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

	ENTS CONSIDERED TO BE RELEVANT	· · · · · · · · · · · · · · · · · · ·
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 280 190 A (KRUPP CORPOPLAST MASCHINENBAU GMBH) 31 August 1988 (1988-08-31)	1-15, 69-72
A	column 6, line 6 - column 9, line 52; figures	59–68
X	US 6 416 312 B1 (GONSER HEINZ O ET AL) 9 July 2002 (2002-07-09)	16-27, 81-84
A	column 4, line 1 - column 7, line 24; figures	41-47
Х	FR 1 324 471 A (MAGERLE KARL) 19 April 1963 (1963-04-19) page 2, right-hand column, paragraph 3 - left-hand column, paragraph 2; figures	16-27, 81-84
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Further documents are listed in the continuation of box C.	Patent family members are listed in annex.			
Special categories of cited documents:      A* document defining the general state of the art which is not considered to be of particular relevance      E* earlier document but published on or after the international filing date      L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)      O* document referring to an oral disclosure, use, exhibition or other means	<ul> <li>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled</li> </ul>			
*P* document published prior to the international filing date but later than the priority date claimed	in the art.  *&* document member of the same patent family			
Date of the actual completion of the international search  3 November 2005	Date of mailing of the international search report  1 4. 11. 2005			
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer  Topalidis, A			

#### **INTERNATIONAL SEARCH REPORT**

International Application No
PCT/US2005/011599

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim hts
	onation of decamon, with indication, where appropriate, or the relevant passages	Relevant to claim No.
	EP 1 273 417 A (OWENS-ILLINOIS CLOSURE)	1,28-31,
İ	8 January 2003 (2003-01-08)	69
<b>(</b>	column 4, line 23 - column 5, line 16	90-93
1	column 6, line 35 - column 7, line 54;	70 93
	figures 1-5,2A	
<b>\</b>	column 6, line 35 - column 7, line 11	48-58,
1	,	85-89
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Α	US 5 670 100 A (OWENS-ILLINOIS CLOSURE)	1,69
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ļ	column 3, line 49 - column 5, line 15;	
, 1	figures 2-6,8-10	
(	column 8, line 27 - line 57; figures	32-40,
		73–80
\	US 5 225 132 A (FARINA ET AL)	
.	US 5 225 132 A (FARINA ET AL) 6 July 1993 (1993-07-06)	1
	column 3, line 20 - column 4, line 54;	
İ	figures	
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### INTERNATIONAL SEARCH REPORT

Information on patent family members

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PCT/US2005/011599

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